

Title (en)
CARBON BLACK COMBUSTABLE GAS SEPARATION

Title (de)
RUSSBRENNFÄHIGE GASTRENNUNG

Title (fr)
SÉPARATION DE GAZ COMBUSTIBLES CONTENUS DANS DU NOIR DE CARBONE

Publication
EP 3253826 A4 20180725 (EN)

Application
EP 16747055 A 20160201

Priority
• US 201562111317 P 20150203
• US 2016015939 W 20160201

Abstract (en)
[origin: WO2016126598A1] A method of separating combustible gasses from the pores of carbon black. A method of making carbon black in a reactor is described that results in a high concentration of combustible gasses contained in the pores of the carbon black produced. The combustible gasses contained in the pores are replaced with inert gas to render the carbon black safer to process in downstream equipment.

IPC 8 full level
C09C 1/48 (2006.01); **C01B 3/00** (2006.01); **C09C 1/56** (2006.01)

CPC (source: EP US)
C01B 3/0021 (2013.01 - US); **C09C 1/48** (2013.01 - EP US); **C09C 1/56** (2013.01 - EP US); **Y02E 60/32** (2013.01 - EP US)

Citation (search report)
• [XAI] US 2011076608 A1 20110331 - BERGEMANN KLAUS [DE], et al
• [XAI] GB 395893 A 19330727 - CARLO PADOVANI
• [AP] WO 2015116797 A1 20150806 - MONOLITH MATERIALS INC [US]
• [XAI] DATABASE WPI Week 200323, Derwent World Patents Index; AN 2003-239603, XP002781693
• See references of WO 2016126598A1

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US11926743B2; US11665808B2; US11453784B2; US11939477B2; US11998886B2; US11760884B2; US11203692B2; US11987712B2;
US11149148B2; US11492496B2; US11591477B2; US11866589B2; US12012515B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016126598 A1 20160811; CA 2975730 A1 20160811; CA 2975730 C 20240116; EP 3253826 A1 20171213; EP 3253826 A4 20180725;
EP 3253826 B1 20211215; MX 2017009983 A 20180307; PL 3253826 T3 20220404; US 2018016441 A1 20180118;
US 2023279235 A1 20230907

DOCDB simple family (application)
US 2016015939 W 20160201; CA 2975730 A 20160201; EP 16747055 A 20160201; MX 2017009983 A 20160201; PL 16747055 T 20160201;
US 201615548352 A 20160201; US 202217938304 A 20221005